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What is claimed is:

- 1. A method of upgrading operational software in a host device having a smart card interface, comprising the steps of:
 - providing a smart card including data representing upgraded software for the host device;
 - interfacing the smart card with the smart card interface of the host device,
 - recognizing, in the host device, the smart card as including the upgraded software; and
 - transferring the upgraded software from the smart card to a memory of the host device to perform the code upgrade.
 - 2. A method according to claim 1, wherein the step of recognizing the smart card as including the upgraded software includes the steps of:
 - accessing a card information structure (CIS) of the smart card; and
 - comparing the CIS to predetermined parameters which identify the smart card as a software upgrade smart card.
- 3. A method according to claim 1, wherein the smart card includes (National Renewable Security Standard) NRSS conditional access protocols and the step of recognizing the smart card as including the upgraded software includes accessing application information specified by the NRSS.
- 4. A method according to claim 1, further wherein the host device is an open cable compliant set top box, coupled to a cable head end and includes an out of band channel for transferring data between the host compliant device and the cable head end and the method further includes the

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- step of sending a message to the cable head end via the out of band channel to
- 6 indicate that the upgraded software has been transferred to the host compliant
- 7 device.
- 5. A smart card for providing a code upgrade to an open cable compliant host device, comprising a memory for holding upgraded software for delivery to the host device, the memory also including a card information structure (CIS) for identifying the smart card as a code upgrade card.
- 6. A smart card according to claim 5, wherein the memory is a flash memory.
 - 7. A smart card according to claim 6, wherein the smart card conforms to standards adopted by one of the personal computer memory card international association (PCMCIA) and the Japan electronic industry development association (JEIDA).
 - 8. A smart card according to claim 5, further including identification data which identifies a host compliant device for which the upgraded software is intended.
 - 9. An open cable compliant set top box comprising:
- a point of deployment (POD) interface;
- a smart card, coupled to the POD interface;
- a processor, coupled to the POD interface; and
- a memory, coupled to the processor, the memory including:
- operational software that controls the set top box; and

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a bootstrap loader which is configured to control the processor to transfer program data from the POD interface to the memory to overwrite the operational software.

- 10. An open cable compliant set top box according to claim
 2 9, wherein the smart card includes a card information structure (CIS) data
 3 which identifies the smart card as a POD card or a software update card and
 4 the memory includes further software, configured to control the processor to
 5 read the CIS data.
- 11. An open cable compliant set top box according to claim
 10, wherein the smart card conforms to standards adopted by one of the
 personal computer memory card international association (PCMCIA) and the
 Japan electronic industry development association (JEIDA).
- 1 12. An open cable compliant set top box according to claim 2 11, wherein:
 - the smart card further includes identification data which identifies a host compliant device for which the upgraded software is intended; and
- the memory further includes software that causes the processor to read the identification data from the smart card and to compare the identification data to identification data for the set top box;
- whereby the processor determines if the software update is appropriate for the set-top box.
- 13. A method of providing a software upgrade to an open cable compliant host device coupled to a cable television (CATV) head end, comprising:
- providing a smart card including the software upgrade for transfer to the host device;

	6	interfacing the smart card with a POD interface of the host	
	7	device;	
	8	resetting the host device;	
	9 10	reading and processing a code information structure (CIS) smart card to identify the smart card as providing the software upgrade;	of the
	11	reading the software upgrade of the smart card; and	
	12 13	writing the software upgrade to a memory of the compliant device.	host
	13	14. A method according to claim 13, further comprising	the
	2	steps of:	
	3	determining whether the software upgrade was successful;	and
#I	4	sending a message to the CATV head end when the softwar	re
 E	5	upgrade is complete.	